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Abul Hasanat Sekh

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SUMMARY

Seasoned Data Scientist driving transformation with Analytics and Machine Learning with over15 years of experience in building Machine Learning models, Deep Learning models, BigQuary, GCP, Azure, Data Visualization, SQL Server DBA & Developer, Performance Tuning, Web and REST API applications. I have worked with Investment Banks, Startups, and consulted for Technology services companies.

I'm currently working as an Independent Consultant and completed multiple projects on Market Research, Time Series Analysis, AB Testing, Image, and Text Classification.

AREA OF INTEREST

- Data Analytics, Machine Learning & Deep Learning
- Solution Architect
- Project/Delivery Management
- SQL Server DBA/Development/Performance Tuning

TOP SKILLST

Python, Numpy, Pandas, Tensorflow, PyTorch, PySpark, SQL Server, Mongo DB, Azure, GCP & AWS

EXPERIENCE

- **Independent Consultant**   Bangalore, India

  Machine Learning Consultant   *Sep 2019 - present*

  - **Customer Engagement and ML Solutions**: Work independently with end customers provide solution, development and support on Machine Learning & Deep Learning
  - **Web Content Filter**: A web content filtering is a solution that would intercept web traffic, have the ability to accurately categorize it, and either allow or disallow based on some config.(CNN, NLP, Google BERT, Web scrapping, DB Scan)
  - **Structural Classification of Web Pages**: An effective way to build relevance and authority signals related to the google search engine algorithm is to get links from other sites to the sites and pages. To find sites that could potentially link to the client's site, user required a similar page's backlinks and determine a strategy for getting the link placed on that page or a similar page.(Random Forest, Web scrapping)
  - **SQL Server Support**: SQL Server Performance tuning and DBA activities
  - **Key clients**: Compu Solutions, iConnect & Money Geek, USA

- **DxC.technology**   Bangalore, India

  Service Delivery Consultant - IV   *Aug 2016 - Aug 2019*

  Deutsche Bank Account Support: DxC Bionics project is an initiative to reduce efforts on IT infrastructure services by using automation. Data Analytics with Machine learning plays a major role on finding opportunities on automation and incidents reductions.

  - **ML Framework**: Develop an end-to-end framework for training, testing and deployment of Machine Learning models with a team of 3 developers (Python, NumPy, scikit-learn)
  - **Data Collection & Preprocessing**: Extract & preprocess data from using Web scrapping (Python, BeautifulSoup, Pandas, NumPy, Matplotlib)
  - **Modeling**: Develop and implement Neural Network, Timeseries Analysis & Random Forest models to predict new incidents & CI health (Python, scikit-learn, Pandas, NumPy and Keras)
  - **SQL Server backend support for Private cloud**: Portfolio comprised various technologies on private cloud support and maintenance and SQL Server Customer Support Manager.

- **Thomson Reuters** — Hyderabad, India
  Assistant Manager — *May 2009 - April 2016*
  - **Data Analytics Project**: Develop Lead Segmentation Realignment (LSR) with a team of 8 developers (Python, NumPy, Pandas, Matplotlib)
  - **Web Application: Indian Tax & Accounting Solutions**: End to end product development lifecycle for Indian tax & accounting solutions which involved business case preparation, project charting, cost management, scheduling, resource planning, development & monitoring and deployment (MVC.Net, REST API, SQL Server)
  - **Database Development & Support**: Database design for Tax & Accounting solutions, Production Deployment and Support (SQL Server, SSIS, SSRS)

- **Satyam Computers** — Hyderabad, India
  Database Analyst — *Dec 2007 - May 2009*
  - **Microsoft Corporation License Generation**: Analyzing day by day issues form the business and involve developers for any change request. Building SQL queries for data extraction for exploratory analysis.(SQL Server, SSAS, SSRS)

- **Hewlett Packard** — Singapore
  Database Consultant — *May 2007 - Nov 2007*
  - **Database Migration**: Database Migration from SQL 2000 to SQL 2005 and Testing. Database growth, owner and compatibility setting, Maintenance Plan and Backup job creation

- **Wipro Technologies** — Hyderabad, India
  Project Engineer — *June 2005 - May 2007*
  - **Database Development**: New application design, development and implementation, T-SQL coding like SP, View, Function etc. Implementing and Fine tuning Database and web application

- **Rightwave Infosolutions** — NOIDA, India
  Database Engineer — *Feb 2005 - June 2005*
  - **Database Development**: Worked on Data modeling, Managing databases, Database backup/restore, Data Import/Export, Performance tuning, writing Procedure, Functions, Triggers and complex queries. Worked on high availability solutions.

- **Electrobug Technology** — Gurgaon, India
  Database Engineer — *Sep 2004 - Feb 2005*
  - **SQL Server DBA**: Worked on Data modeling, Managing databases, Database backup/restore, Data Import/Export, Performance tuning, writing Procedure, Functions, Triggers and complex queries. Worked on high availability solutions.

- **Resource Center for Indian Language and Technology Solutions** — New Delhi, India
  Programmer — *Jan 2003 - Sep 2004*

EDUCATION

- **Master in Computer Applications** — Midnapore, West Bengal, India
  Vidyasagar University — *Dec. 1999 – Jan. 2003*

- **Bachelor of Science in Computer Application** — Kharagpur, West Bengal, India
  Hijli College — *Sept. 1996 – Sept. 1999*

CERTIFICATION

- 2020 - Google Cloud Platform Fundamentals: Core Infrastructure by Coursera
- 2020 - Google Cloud Platform Big Data and Machine Learning Fundamentals by Coursera
- 2019 - Machine Learning for Engineering and Science Applications by NPTEL & IIT Madras
- 2018 - Prince2 Agile Foundation Certificate in Agile Project Management by AXLEOS UK

INTERESTS

Photography, Marathon Running, Personal Productivity, Entrepreneurship